

Message

From: Jacqueline van Engelen [jacqueline.van.engelen@rivm.nl]
Sent: 3/16/2018 1:33:23 PM
To: Guiseppi-Elie, Annette [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=63d3e2eae9c4acba2609baa90b0f735-Guiseppi-El]
Subject: Fwd: Fw: International review rubber granulate
Attachments: 20180313 introductory text (including annex with summaries) final version.docx; 2017 12 20 International review rivm report rubber granulate.pdf

Dear Annette,

Do you see any chance to respond today (or before Monday morning)?
The other two reviewers are oke with the webtext.

Thanks in advance
Best regards, Jacqueline
Delivered to you by RIVM Mobile environment.

From: jacqueline.van.engelen@rivm.nl
Sent: 13 mrt. 2018 17:15
To: "Guiseppi-Elie, Annette" <Guiseppi-Elie.Annette@epa.gov>
Cc: Els van Schie/RIVM/NL@RIVM
Subject: Fw: International review rubber granulate

Dear Annette,

Please find attached the revised version of the introductory text that we want to publish on our website, together with the individual summaries of the reviewers.

As announced in the letter from our Director, dated December 20, the scope of the introductory text was modified. In addition, revisions of the other reviewers were included and the term 'acute health risk' was more accurately described. We also included your revised summary that you have sent on November 30. We are planning to publish the introductory text on our website as soon as possible.

In case the introductory text does not correctly reflect your reaction, please let me know (preferably before the end of this week).

(See attached file: 20180313 introductory text (including annex with summaries) final version.docx)

Best regards,
Jacqueline van Engelen, PhD
Senior Toxicologist/risk assessor

Centre for Safety of Substances and Products
National Institute for Public Health and the Environment (RIVM)
Antonie van Leeuwenhoeklaan 9, 3721 MA
PO Box 1, 3720 BA
Bilthoven
tel. 3130 2742919

e-mail jacqueline.van.engelen@rivm.nl

----- Forwarded by Jacqueline van Engelen/RIVM/NL on 13-03-2018 15:05 -----

From: Jacqueline van Engelen/RIVM/NL
To: "Guiseppi-Elie, Annette" <Guiseppi-Elie.Annette@epa.gov>,
Cc: Els van Schie/RIVM/NL@RIVM
Date: 21-12-2017 16:08
Subject: International review rubber granulate

Dear Annette,

Please find attached an update on the publication process of the webtext on rubbergranulate, from our Director, Dr Els van Schie

(See attached file: [2017 12 20 International review rivm report rubber granulate.pdf](#))

Wishing you good holidays and a healthy and good 2018,

Best regards,
Jacqueline van Engelen, PhD
Senior Toxicologist/risk assessor

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e-mail jacqueline.van.engelen@rivm.nl

 "Guiseppi-Elie, Annette" ---30-11-2017 06:07:03---Dear Jacqueline, I realize that you have your scientific meeting today and did not respond to your n

From: "Guiseppi-Elie, Annette" <Guiseppi-Elie.Annette@epa.gov>
To: "Jacqueline.van.Engelen@rivm.nl" <Jacqueline.van.Engelen@rivm.nl>,
Date: 30-11-2017 06:07
Subject: [Spam] RE: International review rubber granulate

Dear Jacqueline,

I realize that you have your scientific meeting today and did not respond to your note.

Ex. 5 Deliberative Process (DP)

Ex. 5 Deliberative Process (DP)

Good Luck with the meeting.

Best Regards, Annette.

Annette Guiseppi-Elie, Ph.D., FAIMBE
Associate Director for Exposure Science
NERL/ORD/USEPA

Telephone: 919.541.4986; Mobile: Ex. 6 Personal Privacy (PP)
Email: guiseppi-elie.annette@epa.gov

From: Jacqueline van Engelen [<mailto:jacqueline.van.engelen@rivm.nl>]
Sent: Monday, November 06, 2017 6:44 AM
To: Guiseppi-Elie, Annette <Guiseppi-Elie.Annette@epa.gov>
Subject: International review rubber granulate

Dear Annette,

Enclosed you find two documents:

- 1) The final draft of the introductory text that we want to publish on our website, together with the individual summaries of the reviewers
- 2) Our response to comments with regard to your review

1)
As mentioned before we will discuss the insights gained by this scientific review with the Scientific Advisory Board of RIVM. Furthermore we will publish the summaries of the individual reviewers accompanied with an introductory text on our website. The international review of the RIVM rubber granulate report will be scheduled at the meeting of our Scientific Advisory Board on November 30. Only after this meeting, the summaries and the introductory text will be published on our website.

In case the introductory text does not correctly reflect your reaction, please feel free to let us know.

2)
The response to comments document can be regarded as a documentation of the state of the art in our common understanding, differences in interpretation and possibilities for refinement of the risk assessment.

We treat your review as a confidential document. However, RIVM is a part of the State of the Netherlands, this means that we are a governing body. Dutch government information is always public, unless there are valid, legal reasons to withhold specific information. A request based on the Dutch Public Access to government information is referred to as a Wob request (freedom of information).

When RIVM receives a request to disclose your review based on the Dutch public access to government information act, this request will be handled by the Ministry of Health, Welfare and Sports. In this eventual situation, the Ministry of Health, Welfare and Sport will always notify the owner/sender of the document in writing of the underlying request and will ask for your view on the disclosure of the document. In case the review is disclosed, we will for reasons of completeness also disclose our Response to Comments document.

Once again thank you for all your efforts.

Hope to have you well informed,

Best regards,

Jacqueline van Engelen, PhD
Senior Toxicologist/risk assessor

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e-mail jacqueline.van.engelen@rivm.nl

From: "Guisseppi-Elie, Annette" <Guisseppi-Elie.Annette@epa.gov>
To: "Jacqueline.van.Engelen@rivm.nl" <Jacqueline.van.Engelen@rivm.nl>,
Date: 27-08-2017 23:52
Subject: RE: request for peer-review

Dear Jacqueline,

First, thank you for the opportunity to review the report that is the result of the tremendous effort. The RIVM team is to be highly commended for their effort

Second, I apologize for the lateness of my feedback. It is a large document and wanted to provide a thorough review in order to give meaningful feedback (within my own time constraints).

Below is my summary of the overall assessment as well as an attachment with some more specific feedback. I have stamped the latter "Draft Deliberative" as these have not been shared with my management. It is ok to share both the summary and the attachment with the Scientific Advisory Board tomorrow with the caveat that these are not official EPA feedback.

Review of the Report
"Evaluation of health risks of playing sports on synthetic turf pitches with rubber granulate
Scientific background document"
National Institute for Public Health and the Environment, RIVM Report 2017-0017

Ex. 5 Deliberative Process (DP)

Ex. 5 Deliberative Process (DP)

I will try to reach you by phone to get some additional guidance.

Thank you for your patience. Annette.

Annette Guiseppi-Elie, Ph.D., FAIMBE
Associate Director for Exposure Science
NERL/ORD/USEPA

Telephone: 919.541.4986; Mobile: Ex. 6 Personal Privacy (PP)

Email: guiseppi-elie.annette@epa.gov

From: Jacqueline van Engelen [<mailto:jacqueline.van.engelen@rivm.nl>]

Sent: Tuesday, August 15, 2017 8:44 AM

To: Guiseppi-Elie, Annette < Guiseppi-Elie.Annette@epa.gov >

Subject: RE: request for peer-review

Dear Annette,

Of course I do understand that you also have other priorities. And as said before I very much appreciate your cooperation.

I have to send a compilation of the results of from the reviews to our Scientific Advisory Board on Monday August 28, so when you are able to sent me your review on August 25, that will be just in time for me.

Best regards, Jacqueline van Engelen

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From: "Guisseppi-Elie, Annette" <Guisseppi-Elie.Annette@epa.gov>
To: "Jacqueline.van.Engelen@rivm.nl" <Jacqueline.van.Engelen@rivm.nl>,
Date: 14-08-2017 20:24
Subject: RE: request for peer-review

Dear Jacqueline,

I have run into some difficulty completing the review by this Friday. We are in the midst of getting the next phase of the field study going and with other commitments, I am not able to complete and provide written comments by this Friday August 18, 2017.

If at all possible, I would like to extend to next Friday August 25, 2017. Thank you.

With sincere regrets for any inconvenience.

Best Regards, Annette.

Annette Guisseppi-Elie, Ph.D., FAIMBE
Associate Director for Exposure Science
NERL/ORD/USEPA

Telephone: 919.541.4986; Mobile: Ex. 6 Personal Privacy (PP)
Email: guisseppi-elie.annette@epa.gov

From: Jacqueline van Engelen [<mailto:jacqueline.van.engelen@rivm.nl>]
Sent: Wednesday, June 28, 2017 3:32 AM
To: Guisseppi-Elie, Annette <Guisseppi-Elie.Annette@epa.gov>
Subject: Fw: request for peer-review

Dear Dr Guisseppi-Elie,

I was contacted by the other two reviewers.

They both are not able to perform their review before August 1, so they will deliver their assessment on/before August 18.

So please feel free to also use this deadline when more convenient for you,

Best regards,
Jacqueline van Engelen

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Bilthoven

From: Jacqueline van Engelen/RIVM/NL
To: "Guisseppi-Elie, Annette" <Guisseppi-Elie.Annette@epa.gov >,
Cc: Els van Schie/RIVM/NL@RIVM
Date: 16-06-2017 12:23
Subject: request for peer-review

RIVM published its report on the health effects of rubber granulate on the RIVM website in December 2016, including the scientific reference documents. A scientific sounding board group provided feedback on the scientific quality of the report, the approach taken and its conclusions. The scientific sounding board group consisted exclusively of Dutch experts (their names can be found on page 41 of the report).

The English translation of the report and the scientific reference documents was completed in April 2017 and posted on the RIVM website; now that the translation is available, the RIVM Scientific Advisory Board has requested that the report be subjected to an international peer review.

To that end, we now issue an invitation to 3 experts, at ECHA, BfR and the US EPA, based on the consideration that these three regulatory authorities have in-house expertise relevant to this dossier. Your feedback is much appreciated; we sincerely hope you will be willing to lend us your assistance in this matter and provide a peer review of the report along the lines indicated below.

Background: Reason for the study and the report:

On 7 October 2016, the National Institute for Public Health and the Environment (RIVM) received a letter from the Minister of Health, Welfare and Sport stating the following:

"I understand the concerns in response to the broadcast and the questions that are now being asked. They prompted me to engage in immediate consultation with RIVM. Following the consultation, I took the precaution of asking RIVM to conduct extra research as a matter of urgent priority. This involves researching technical literature, in which the research results of all relevant references will be evaluated. The findings will be combined with a representative study on the concentrations of PAHs and other substances in the granulate that may affect the health of players. To that end, 50 to 100 sports pitches will be actively sampled. In the course of this study, RIVM will consult with the Scottish experts who spoke during the broadcast and contact Belgian colleagues who have announced they will also be researching rubber granulate. I have also asked the Risk Assessment Bureau of the Netherlands Food and Consumer Product Authority (NVWA) (BuRO) to play a role in this study. I expect to notify the House of Representatives and the public about the results of this study before the end of the year. Decisions regarding any further measures will be taken depending on the results of the study."

In the RIVM report the following questions were addressed:

1. Which hazardous substances are present in rubber granulate and at what levels?
2. To what extent can people playing sports on synthetic turf pitches be exposed to these substances and what are the resulting health risks?

3. What is known about the relationship between playing sports on synthetic turf with rubber granulate and leukaemia and lymphoma?
4. How do the concentrations of substances found relate to regulatory and other limits?

In light of the limited time frame available for the study, RIVM opted to take samples from 100 pitches, draft conservative exposure scenarios, and compare the exposure estimates to toxicological thresholds for the relevant substances.

Request for the peer review:

We would like to ask you to take part in a peer review about the RIVM report on rubber granulate (<http://www.rivm.nl/bibliotheek/rapporten/2017-0017.pdf>, see also attachment).

The peer review should focus on assessment of:

- the quality of the approach taken, also in light of and taking into account the brief time frame and the high societal pressure,
- the scientific quality of the report, and
- the validity of the main conclusion that “the health risk of playing sports on synthetic turf pitches with an infill of rubber granulate is virtually negligible”

The information provided in relation to the above will remain confidential and will only be shared with the Scientific Advisory Board.

In addition, we would like to release a summary of your assessment based on the following information to the public via the RIVM website:

- An overall assessment of the scientific quality of the report and the approach chosen: very good/good/acceptable/insufficient
- A summary of your assessment including and explanation for your overall assessment.

Because of this we would also like you to give your consent to the public release of this information on the website of the National Institute for Public Health and the Environment (RIVM). Please indicate in your response whether you agree or not with the public release.

We would appreciate to receive your assessment before August 1st. If this time frame is not feasible for you, please let me know.

Thank you very much in advance
Best regards,

On behalf of
Els van Schie, PhD
Director Environment and Safety, RIVM

Jacqueline van Engelen, PhD
Senior Toxicologist/risk assessor

Centre for Safety of Substances and Products
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e-mail jacqueline.van.engelen@rivm.nl

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www.rivm.nl/en Committed to *health and sustainability* [attachment "20171106 introductory text (including annex with summaries).docx" deleted by Jacqueline van Engelen/RIVM/NL]

Dit bericht kan informatie bevatten die niet voor u is bestemd. Indien u niet de geadresseerde bent of dit bericht abusievelijk aan u is verzonden, wordt u verzocht dat aan de afzender te melden en het bericht te verwijderen. Het RIVM aanvaardt geen aansprakelijkheid voor schade, van welke aard ook, die verband houdt met risico's verbonden aan het elektronisch verzenden van berichten.

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